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Sam Lindgren

Washington University in St. Louis, lindgrens@wustl.edu

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Biology Department Publications: 2009

Allan, B. F. (2009). Influence of prescribed burns on the abundance of amblyomma americanum (acari: Ixodidae) in the missouri ozarks. *Journal of Medical Entomology*, 46(5), 1030–1036. <https://doi.org/10.1603/033.046.0509>

Allan, B. F., Langerhans, R. B., Ryberg, W. A., Landesman, W. J., Griffin, N. W., Katz, R. S., Oberle, B. J., Schutzenhofer, M. R., Smyth, K. N., de St Maurice, A., Clark, L., Crooks, K. R., Hernandez, D. E., McLean, R. G., Ostfeld, R. S., & Chase, J. M. (2009). Ecological correlates of risk and incidence of west nile virus in the united states. *Oecologia*, 158(4), 699–708. <https://doi.org/10.1007/s00442-008-1169-9>

Allen, G. E. (2009). Davenport's dream. 21st century reflection on heredity and eugenics [book review]. *Journal of the History of Biology*, 42(3), 593–598.

Alvarez, S., Berla, B. M., Sheffield, J., Cahoon, R. E., Jez, J. M., & Hicks, L. M. (2009). Comprehensive analysis of the brassica juncea root proteome in response to cadmium exposure by complementary proteomic approaches. *Proteomics*, 9(9), 2419–2431. <https://doi.org/10.1002/pmic.200800478>

Anterola, A., Shanle, E., Perroud, P.-F., & Quatrano, R. (2009). Production of taxa-4(5),11(12)-diene by transgenic physcomitrella patens. *Transgenic Research*, 18(4), 655–660. <https://doi.org/10.1007/s11248-009-9252-5>

Aponte, J. C., Vaisberg, A. J., Rojas, R., Sauvain, M., Lewis, W. H., Lamas, G., Sarasara, C., Gilman, R. H., & Hammond, G. B. (2009). A multipronged approach to the study of

2 Biology Department Publications: 2009

peruvian ethnomedicinal plants: A legacy of the icbg-peru project. *Journal of Natural Products*, 72(3), 524–526. <https://doi.org/10.1021/np800630k>

Balcerzak, P., May, V. L., & Schaal, B. A. (2009). Developing leadership in a national cohort of secondary biology teachers: Uses of an online course structure to develop a geographically distant professional learning community. *Journal of Mathematics and Science: Collaborative Explorations*, 11, 85–93.

Beaulé, C., Swanstrom, A., Leone, M. J., & Herzog, E. D. (2009). Circadian modulation of gene expression, but not glutamate uptake, in mouse and rat cortical astrocytes. *PLoS One*, 4(10), e7476. <https://doi.org/10.1371/journal.pone.0007476>

Beck, J., Al-Shehbaz, I., & Schaal, B. (2009). Leavenworthia (brassicaceae) revisited: Testing classic systematic and mating system hypotheses. *Systematic Botany*, 31, 151–159.
<https://doi.org/10.1600/036364406775971732>

Bell, P. D., Xin, Y., & Blankenship, R. E. (2009). Purification and characterization of cytochrome c(6) from acaryochloris marina. *Photosynthesis Research*, 102(1), 43–51.
<https://doi.org/10.1007/s11120-009-9482-7>

Björn, L. O., Papageorgiou, G. C., Blankenship, R. E., & Govindjee, null. (2009). A viewpoint: Why chlorophyll a? *Photosynthesis Research*, 99(2), 85–98.
<https://doi.org/10.1007/s11120-008-9395-x>

Blevins, T., Pontes, O., Pikaard, C. S., & Meins, F. (2009). Heterochromatic sirnas and ddm1 independently silence aberrant 5S rRNA transcripts in arabidopsis. *PLoS One*, 4(6), e5932.
<https://doi.org/10.1371/journal.pone.0005932>

3 Biology Department Publications: 2009

- Braude, S., & Templeton, A. R. (2009). Understanding the multiple meanings of ‘inbreeding’ and ‘effective size’ for genetic management of african rhinoceros populations. *African Journal of Ecology*, 47(4), 546–555. <https://doi.org/10.1111/j.1365-2028.2008.00981.x>
- Brock, K. A., Reece, J. S., & Ehrhart, L. M. (2009). The effects of artificial beach nourishment on marine turtles: Differences between loggerhead and green turtles. *Restoration Ecology*, 17(2), 297–307. <https://doi.org/10.1111/j.1526-100X.2007.00337.x>
- Brower-Toland, B., Riddle, N. C., Jiang, H., Huiszinga, K. L., & Elgin, S. C. R. (2009). Multiple set methyltransferases are required to maintain normal heterochromatin domains in the genome of drosophila melanogaster. *Genetics*, 181(4), 1303–1319.
<https://doi.org/10.1534/genetics.108.100271>
- Brudvig, L. A., & Asbjornsen, H. (2009a). Dynamics and determinants of quercus alba seedling success following savanna encroachment and restoration. *Forest Ecology and Management*, 257(3), 876–884. <https://doi.org/10.1016/j.foreco.2008.10.016>
- Brudvig, L. A., & Asbjornsen, H. (2009b). The removal of woody encroachment restores biophysical gradients in midwestern oak savannas. *Journal of Applied Ecology*, 46(1), 231–240. <https://doi.org/10.1111/j.1365-2664.2008.01590.x>
- Brudvig, L. A., Damschen, E. I., Tewksbury, J. J., Haddad, N. M., & Levey, D. J. (2009). Landscape connectivity promotes plant biodiversity spillover into non-target habitats. *Proceedings of the National Academy of Sciences of the United States of America*, 106(23), 9328–9332. <https://doi.org/10.1073/pnas.0809658106>
- Burd, M., Ashman, T.-L., Campbell, D. R., Dudash, M. R., Johnston, M. O., Knight, T. M., Mazer, S. J., Mitchell, R. J., Steets, J. A., & Vamosi, J. C. (2009). Ovule number per

4 Biology Department Publications: 2009

flower in a world of unpredictable pollination. *American Journal of Botany*, 96(6), 1159–1167. <https://doi.org/10.3732/ajb.0800183>

Burkle, L., & Irwin, R. (2009a). Nectar sugar limits larval growth of solitary bees (hymenoptera: Megachilidae). *Environmental Entomology*, 38(4), 1293–1300. <https://doi.org/10.1603/022.038.0441>

Burkle, L., & Irwin, R. (2009b). The importance of interannual variation and bottom-up nitrogen enrichment for plant-pollinator networks. *Oikos*, 118(12), 1816–1829. <https://doi.org/10.1111/j.1600-0706.2009.17740.x>

Butzler, J. M., & Chase, J. M. (2009). The effects of variable nutrient additions on a pond mesocosm community. *Hydrobiologia*, 617(1), 65–73. <https://doi.org/10.1007/s10750-008-9443-8>

Carlson, B. A. (2009a). Reafferent control in electric communication. In *Encyclopedia of neuroscience*. Springer Verlag.

Carlson, B. A. (2009b). Temporal coding in electroreception. In *Encyclopedia of Neuroscience*. Springer Verlag.

Carlson, B. A. (2009c). Temporal-pattern recognition by single neurons in a sensory pathway devoted to social communication behavior. *The Journal of Neuroscience*, 29(30), 9417–9428. <https://doi.org/10.1523/JNEUROSCI.1980-09.2009>

Chalker, D. L. (2009). Transposons that clean up after themselves. *Genome Biology*, 10(6), 224. <https://doi.org/10.1186/gb-2009-10-6-224>

5 Biology Department Publications: 2009

Charron, A. J., & Quatrano, R. S. (2009). Between a rock and a dry place: The water-stressed moss. *Molecular Plant*, 2(3), 478–486. <https://doi.org/10.1093/mp/ssp018>

Chase, J. M., Biro, E. G., Ryberg, W. A., & Smith, K. G. (2009). Predators temper the relative importance of stochastic processes in the assembly of prey metacommunities. *Ecology Letters*, 12(11), 1210–1218. <https://doi.org/10.1111/j.1461-0248.2009.01362.x>

Chase, J. M., & Shulman, R. S. (2009). Wetland isolation facilitates larval mosquito density through the reduction of predators. *Ecological Entomology*, 34(6), 741–747. <https://doi.org/10.1111/j.1365-2311.2009.01128.x>

Chen, C.-N. N., Chen, H.-R., Yeh, S.-Y., Vittore, G., & Ho, T.-H. D. (2009). Autophagy is enhanced and floral development is impaired in AtHVA22d RNA interference arabidopsis. *Plant Physiology*, 149(4), 1679–1689. <https://doi.org/10.1104/pp.108.131490>

Chen, Q., Zhang, B., Hicks, L. M., Wang, S., & Jez, J. M. (2009). A liquid chromatography-tandem mass spectrometry-based assay for indole-3-acetic acid-amido synthetase. *Analytical Biochemistry*, 390(2), 149–154. <https://doi.org/10.1016/j.ab.2009.04.027>

Chiang, Y.-C., Hung, K.-H., Moore, S.-J., Ge, X.-J., Huang, S., Hsu, T.-W., Schaal, B. A., & Chiang, T. (2009). Paraphyly of organelle dnas in cycas sect. Asiorientales due to ancient ancestral polymorphisms. *BMC Evolutionary Biology*, 9, 161. <https://doi.org/10.1186/1471-2148-9-161>

Cho, S. H., von Schwarzenberg, K., & Quatrano, R. S. (2009). The role of abscisic acid in stress tolerance. In C. D. Knight, D. J. Cove, & P.-F. Perroud (Eds.), *The moss physcomitrella patens* (pp. 282–293). Wiley Blackwell.

6 Biology Department Publications: 2009

Climer, S., Jäger, G., Templeton, A. R., & Zhang, W. (2009). How frugal is mother nature with haplotypes? *Bioinformatics*, 25(1), 68–74. <https://doi.org/10.1093/bioinformatics/btn572>

Collins, A. M., Xin, Y., & Blankenship, R. E. (2009). Pigment organization in the photosynthetic apparatus of *roseiflexus castenholzii*. *Biochimica Et Biophysica Acta*, 1787(8), 1050–1056. <https://doi.org/10.1016/j.bbabi.2009.02.027>

Cove, D. J., Perroud, P.-F., Charron, A. J., McDaniel, S. F., Khandelwal, A., & Quatrano, R. S. (2009a). Chemical and uv mutagenesis of spores and protonemal tissue from the moss *physcomitrella patens*. *Cold Spring Harbor Protocols*, 2009(2), pdb.prot5142. <https://doi.org/10.1101/pdb.prot5142>

Cove, D. J., Perroud, P.-F., Charron, A. J., McDaniel, S. F., Khandelwal, A., & Quatrano, R. S. (2009b). Culturing the moss *physcomitrella patens*. *Cold Spring Harbor Protocols*, 2009(2), pdb.prot5136. <https://doi.org/10.1101/pdb.prot5136>

Cove, D. J., Perroud, P.-F., Charron, A. J., McDaniel, S. F., Khandelwal, A., & Quatrano, R. S. (2009c). Isolation and regeneration of protoplasts of the moss *physcomitrella patens*. *Cold Spring Harbor Protocols*, 2009(2), pdb.prot5140. <https://doi.org/10.1101/pdb.prot5140>

Cove, D. J., Perroud, P.-F., Charron, A. J., McDaniel, S. F., Khandelwal, A., & Quatrano, R. S. (2009d). Isolation of dna, rna, and protein from the moss *physcomitrella patens* gametophytes. *Cold Spring Harbor Protocols*, 2009(2), pdb.prot5146. <https://doi.org/10.1101/pdb.prot5146>

Cove, D. J., Perroud, P.-F., Charron, A. J., McDaniel, S. F., Khandelwal, A., & Quatrano, R. S. (2009e). Somatic hybridization in the moss *physcomitrella patens* using peg-induced

7 Biology Department Publications: 2009

protoplast fusion. *Cold Spring Harbor Protocols*, 2009(2), pdb.prot5141.

<https://doi.org/10.1101/pdb.prot5141>

Cove, D. J., Perroud, P.-F., Charron, A. J., McDaniel, S. F., Khandelwal, A., & Quatrano, R. S. (2009f). The moss *physcomitrella patens*: A novel model system for plant development and genomic studies. *Cold Spring Harbor Protocols*, 2009(2), pdb.emol115.

<https://doi.org/10.1101/pdb.emol115>

Cove, D. J., Perroud, P.-F., Charron, A. J., McDaniel, S. F., Khandelwal, A., & Quatrano, R. S. (2009g). Transformation of moss *physcomitrella patens* gametophytes using a biolistic projectile delivery system. *Cold Spring Harbor Protocols*, 2009(2), pdb.prot5145.

<https://doi.org/10.1101/pdb.prot5145>

Cove, D. J., Perroud, P.-F., Charron, A. J., McDaniel, S. F., Khandelwal, A., & Quatrano, R. S. (2009h). Transformation of the moss *physcomitrella patens* using direct dna uptake by protoplasts. *Cold Spring Harbor Protocols*, 2009(2), pdb.prot5143.

<https://doi.org/10.1101/pdb.prot5143>

Cove, D. J., Perroud, P.-F., Charron, A. J., McDaniel, S. F., Khandelwal, A., & Quatrano, R. S. (2009i). Transformation of the moss *physcomitrella patens* using t-dna mutagenesis. *Cold Spring Harbor Protocols*, 2009(2), pdb.prot5144. <https://doi.org/10.1101/pdb.prot5144>

Crane, P. R., Hopper, S. D., Raven, P. H., & Stevenson, D. W. (2009). Plant science research in botanic gardens. *Trends in Plant Science*, 14(11), 575–577.

<https://doi.org/10.1016/j.tplants.2009.09.007>

Curtiss, R., Wanda, S.-Y., Gunn, B. M., Zhang, X., Tinge, S. A., Ananthnarayan, V., Mo, H., Wang, S., & Kong, W. (2009). *Salmonella enterica* serovar *typhimurium* strains with

8 Biology Department Publications: 2009

regulated delayed attenuation in vivo. *Infection and Immunity*, 77(3), 1071–1082.

<https://doi.org/10.1128/IAI.00693-08>

Dai, S., & Beachy, R. N. (2009). Genetic engineering of rice to resist rice tungro disease. In *Vitro Cellular & Developmental Biology - Plant*, 45(5), 517–524.

<https://doi.org/10.1007/s11627-009-9241-7>

Dixit, R., Barnett, B., Lazarus, J. E., Tokito, M., Goldman, Y. E., & Holzbaur, E. L. F. (2009). Microtubule plus-end tracking by clip-170 requires eb1. *Proceedings of the National Academy of Sciences of the United States of America*, 106(2), 492–497.

<https://doi.org/10.1073/pnas.0807614106>

Elvitigala, T., Pakrasi, H. B., & Ghosh, B. K. (2009). Dynamic network modeling of diurnal genes in cyanobacteria. In B. K. Ghosh, C. F. Martin, & Y. Zhou (Eds.), *Emergent problems in nonlinear systems and control* (pp. 21–41). Springer.

Elvitigala, T., Stöckel, J., Ghosh, B. K., & Pakrasi, H. B. (2009). Effect of continuous light on diurnal rhythms in cyanothecae sp. Atcc 51142. *BMC Genomics*, 10, 226.

<https://doi.org/10.1186/1471-2164-10-226>

Farrington, S. J., Muzika, R.-M., Drees, D., & Knight, T. M. (2009). Interactive effects of harvest and deer herbivory on the population dynamics of american ginseng. *Conservation Biology*, 23(3), 719–728. <https://doi.org/10.1111/j.1523-1739.2008.01136.x>

Frawley, E. R., & Kranz, R. G. (2009). Ccsba is a cytochrome c synthetase that also functions in heme transport. *Proceedings of the National Academy of Sciences of the United States of America*, 106(25), 10201–10206. <https://doi.org/10.1073/pnas.0903132106>

9 Biology Department Publications: 2009

- Galant, A., Arkus, K. A. J., Zubieta, C., Cahoon, R. E., & Jez, J. M. (2009). Structural basis for evolution of product diversity in soybean glutathione biosynthesis. *The Plant Cell*, 21(11), 3450–3458. <https://doi.org/10.1105/tpc.109.071183>
- Gao, X., Xin, Y., & Blankenship, R. E. (2009). Enzymatic activity of the alternative complex III as a menaquinol:auracyanin oxidoreductase in the electron transfer chain of chloroflexus aurantiacus. *FEBS Letters*, 583(19), 3275–3279.
<https://doi.org/10.1016/j.febslet.2009.09.022>
- Gershoni, M., Templeton, A. R., & Mishmar, D. (2009). Mitochondrial bioenergetics as a major motive force of speciation. *BioEssays*, 31(6), 642–650.
<https://doi.org/10.1002/bies.200800139>
- Gracheva, E., Dus, M., & Elgin, S. C. R. (2009). Drosophila risc component vig and its homolog vig2 impact heterochromatin formation. *PLoS One*, 4(7), e6182.
<https://doi.org/10.1371/journal.pone.0006182>
- Grainger, A., Boucher, D. H., Frumhoff, P. C., Laurance, W. F., Lovejoy, T., McNeely, J., Niekisch, M., Raven, P., Sodhi, N. S., Venter, O., & Pimm, S. L. (2009). Biodiversity and redd at copenhagen. *Current Biology*, 19(21), R974-976.
<https://doi.org/10.1016/j.cub.2009.10.001>
- Gross, B. L., Skare, K. J., & Olsen, K. M. (2009). Novel phr1 mutations and the evolution of phenol reaction variation in us weedy rice (*oryza sativa*). *The New Phytologist*, 184(4), 842–850. <https://doi.org/10.1111/j.1469-8137.2009.02957.x>

10 Biology Department Publications: 2009

- Haag, J. R., Pontes, O., & Pikaard, C. S. (2009). Metal a and metal b sites of nuclear rna polymerases pol iv and pol v are required for sirna-dependent dna methylation and gene silencing. *PLoS One*, 4(1), e4110. <https://doi.org/10.1371/journal.pone.0004110>
- Haeusser, D. P., Lee, A. H., Weart, R. B., & Levin, P. A. (2009). ClpX inhibits FtsZ assembly in a manner that does not require its ATP hydrolysis-dependent chaperone activity. *Journal of Bacteriology*, 191(6), 1986–1991. <https://doi.org/10.1128/JB.01606-07>
- Harmon, L. J., Matthews, B., Des Roches, S., Chase, J. M., Shurin, J. B., & Schluter, D. (2009). Evolutionary diversification in stickleback affects ecosystem functioning. *Nature*, 458(7242), 1167–1170. <https://doi.org/10.1038/nature07974>
- Harmon-Threatt, A. N., Burns, J. H., Shemyakina, L. A., & Knight, T. M. (2009). Breeding system and pollination ecology of introduced plants compared to their native relatives. *American Journal of Botany*, 96(8), 1544–1550. <https://doi.org/10.3732/ajb.0800369>
- Harrison, S., Damschen, E., & Going, B. M. (2009). Climate gradients, climate change, and special edaphic floras. *Northeastern Naturalist*, 16(sp5), 121–130. <https://doi.org/10.1656/045.016.0510>
- He, X.-J., Hsu, Y.-F., Pontes, O., Zhu, J., Lu, J., Bressan, R. A., Pikaard, C., Wang, C.-S., & Zhu, J.-K. (2009). NrpD4, a protein related to the rpb4 subunit of rna polymerase II, is a component of rna polymerases IV and V and is required for rna-directed dna methylation. *Genes & Development*, 23(3), 318–330. <https://doi.org/10.1101/gad.1765209>
- He, X.-J., Hsu, Y.-F., Zhu, S., Liu, H.-L., Pontes, O., Zhu, J., Cui, X., Wang, C.-S., & Zhu, J.-K. (2009). A conserved transcriptional regulator is required for rna-directed dna methylation

11 Biology Department Publications: 2009

and plant development. *Genes & Development*, 23(23), 2717–2722.

<https://doi.org/10.1101/gad.1851809>

He, X.-J., Hsu, Y.-F., Zhu, S., Wierzbicki, A. T., Pontes, O., Pikaard, C. S., Liu, H.-L., Wang,

C.-S., Jin, H., & Zhu, J.-K. (2009). An effector of rna-directed dna methylation in arabidopsis is an argonaute 4- and rna-binding protein. *Cell*, 137(3), 498–508.

<https://doi.org/10.1016/j.cell.2009.04.028>

He, Y., Mawhinney, T. P., Preuss, M. L., Schroeder, A. C., Chen, B., Abraham, L., Jez, J. M., &

Chen, S. (2009). A redox-active isopropylmalate dehydrogenase functions in the biosynthesis of glucosinolates and leucine in arabidopsis. *The Plant Journal: For Cell and Molecular Biology*, 60(4), 679–690. <https://doi.org/10.1111/j.1365-313X.2009.03990.x>

Hein, P., Stöckel, J., Bennewitz, S., & Oelmüller, R. (2009). A protein related to prokaryotic

ump kinases is involved in psaa/b transcript accumulation in arabidopsis. *Plant*

Molecular Biology, 69(5), 517–528. <https://doi.org/10.1007/s11103-008-9433-2>

Hoang, Q. T., Cho, S. H., McDaniel, S. F., Ok, S. H., Quatrano, R. S., & Shin, J. S. (2009). An actinoporin plays a key role in water stress in the moss physcomitrella patens. *The New Phytologist*, 184(2), 502–510. <https://doi.org/10.1111/j.1469-8137.2009.02975.x>

Hochberg, M. E., Chase, J. M., Gotelli, N. J., Hastings, A., & Naeem, S. (2009). The tragedy of the reviewer commons. *Ecology Letters*, 12(1), 2–4. <https://doi.org/10.1111/j.1461-0248.2008.01276.x>

12 Biology Department Publications: 2009

Huisenga, K. L., & Elgin, S. C. R. (2009). Small rna-directed heterochromatin formation in the context of development: What flies might learn from fission yeast. *Biochimica Et Biophysica Acta*, 1789(1), 3–16. <https://doi.org/10.1016/j.bbagr.2008.08.002>

Hung, K.-H., Schaal, B. A., Hsu, T.-W., Chiang, Y.-C., Peng, C.-I., & Chiang, T.-Y. (2009). Phylogenetic relationships of diploid and polyploid species in ludwigia sect. Isnardia (onagraceae) based on chloroplast and nuclear dnas. *Taxon*, 58(4), 1216–1225.

Jez, J. M., & Krishnan, H. B. (2009). Sulfur assimilation and cysteine biosynthesis in soybean seeds: Towards engineering sulfur amino acid content. In *Modification of seed composition to promote health and nutrition*. ASA-CSSA-SSSA Publishing.

Ji, W., & Suga, N. (2009). Tone-specific and nonspecific plasticity of inferior colliculus elicited by pseudo-conditioning: Role of acetylcholine and auditory and somatosensory cortices. *Journal of Neurophysiology*, 102(2), 941–952. <https://doi.org/10.1152/jn.00222.2009>

Jung, J.-Y., Shin, R., & Schachtman, D. P. (2009). Ethylene mediates response and tolerance to potassium deprivation in arabidopsis. *The Plant Cell*, 21(2), 607–621. <https://doi.org/10.1105/tpc.108.063099>

Keller, M., Mazuch, J., Abraham, U., Eom, G. D., Herzog, E. D., Volk, H.-D., Kramer, A., & Maier, B. (2009). A circadian clock in macrophages controls inflammatory immune responses. *Proceedings of the National Academy of Sciences of the United States of America*, 106(50), 21407–21412. <https://doi.org/10.1073/pnas.0906361106>

Khosravi, A. R., Jacquemoud, F., Mohsenzadeh, S., Menke, M., & Mummenhoff, K. (2009). Phylogenetic position and taxonomic classification of aethionema trinervium

13 Biology Department Publications: 2009

(brassicaceae): A morphologically variable subshrub from southwestern asia1. *Annals of the Missouri Botanical Garden*, 96(4), 564–574. <https://doi.org/10.3417/2007004>

Kiang, N. Y., Segura, A., Tinetti, G., Govindjee, G., Blankenship, R. E., Cohen, M., Siefert, J., Crisp, D., & Meadows, V. S. (2009). Early survival, pigment spectra, and productivity of photosynthesis on m star planets. *Origins of Life and Evolution of the Biosphere*, 30, 366–367. <https://doi.org/10.1007/s11084-009-9164-7>

Knight, T. M., Caswell, H., & Kalisz, S. (2009). Population growth rate of a common understory herb decreases non-linearly across a gradient of deer herbivory. *Forest Ecology and Management*, 257(3), 1095–1103. <https://doi.org/10.1016/j.foreco.2008.11.018>

Knight, T. M., Dunn, J. L., Smith, L. A., Davis, J., & Kalisz, S. (2009). Deer facilitate invasive plant success in a pennsylvania forest understory. *Natural Areas Journal*, 29(2), 110–116. <https://doi.org/10.3375/043.029.0202>

Komatsu, K., Nishikawa, Y., Ohtsuka, T., Taji, T., Quatrano, R. S., Tanaka, S., & Sakata, Y. (2009). Functional analyses of the abi1-related protein phosphatase type 2c reveal evolutionarily conserved regulation of abscisic acid signaling between arabidopsis and the moss physcomitrella patens. *Plant Molecular Biology*, 70(3), 327–340. <https://doi.org/10.1007/s11103-009-9476-z>

Kostyuchenko, M., Savitskaya, E., Koryagina, E., Melnikova, L., Karakozova, M., & Georgiev, P. (2009). Zeste can facilitate long-range enhancer-promoter communication and insulator bypass in drosophila melanogaster. *Chromosoma*, 118(5), 665–674. <https://doi.org/10.1007/s00412-009-0226-4>

14 Biology Department Publications: 2009

Kover, P. X., Rowntree, J. K., Scarcelli, N., Savriama, Y., Eldridge, T., & Schaal, B. A. (2009).

Pleiotropic effects of environment-specific adaptation in *arabidopsis thaliana*. *The New Phytologist*, 183(3), 816–825. <https://doi.org/10.1111/j.1469-8137.2009.02943.x>

Kowalski, J., Gange, S. J., Schneider, M. F., Tsai, H.-L., Templeton, A., Shao, Q., Zhang, G. W.,

Yeh, M.-F., Young, M., & Markham, R. B. (2009). Relationship of injection drug use, antiretroviral therapy resistance, and genetic diversity in the hiv-1 pol gene. *Journal of Acquired Immune Deficiency Syndromes*, 50(4), 381–389.

<https://doi.org/10.1097/QAI.0b013e318198a619>

Kranz, R. G., Richard-Fogal, C., Taylor, J.-S., & Frawley, E. R. (2009). Cytochrome c biogenesis: Mechanisms for covalent modifications and trafficking of heme and for heme-iron redox control. *Microbiology and Molecular Biology Reviews*, 73(3), 510–528, Table of Contents. <https://doi.org/10.1128/MMBR.00001-09>

Kumaran, S., Yi, H., Krishnan, H. B., & Jez, J. M. (2009). Assembly of the cysteine synthase complex and the regulatory role of protein-protein interactions. *The Journal of Biological Chemistry*, 284(15), 10268–10275. <https://doi.org/10.1074/jbc.M900154200>

Larson, A. (2009). Adaptation. In S. A. Levin (Ed.), *Princeton guide to ecology*. Princeton University Press.

Leang, C., Krushkal, J., Ueki, T., Puljic, M., Sun, J., Juárez, K., Núñez, C., Reguera, G., DiDonato, R., Postier, B., Adkins, R. M., & Lovley, D. R. (2009). Genome-wide analysis of the rpon regulon in *geobacter sulfurreducens*. *BMC Genomics*, 10, 331. <https://doi.org/10.1186/1471-2164-10-331>

15 Biology Department Publications: 2009

Lee, K.-W., Chen, P.-W., Lu, C.-A., Chen, S., Ho, T.-H. D., & Yu, S.-M. (2009). Coordinated responses to oxygen and sugar deficiency allow rice seedlings to tolerate flooding.

Science Signaling, 2(91), ra61. <https://doi.org/10.1126/scisignal.2000333>

Lee, M., del Rosario, M. C., Harris, H. H., Blankenship, R. E., Guss, J. M., & Freeman, H. C. (2009). The crystal structure of auracyanin a at 1.85 Å resolution: The structures and functions of auracyanins a and b, two almost identical “blue” copper proteins, in the photosynthetic bacterium *chloroflexus aurantiacus*. *Journal of Biological Inorganic Chemistry*, 14(3), 329–345. <https://doi.org/10.1007/s00775-009-0473-0>

Lee, S., Costanzo, S., Jia, Y., Olsen, K. M., & Caicedo, A. L. (2009). Evolutionary dynamics of the genomic region around the blast resistance gene ii-ta in aa genome oryza species.

Genetics, 183(4), 1315–1325. <https://doi.org/10.1534/genetics.109.108266>

Liberton, M., Austin, J., Berg, R., & Pakrasi, H. (2009). Three-dimensional arrangement of thylakoid membranes in cyanothecae sp. Atcc 51142, a unicellular cyanobacterium.

Microscopy and Microanalysis, 15(S2), 876–877.

<https://doi.org/10.1017/S1431927609098158>

Ma, X., & Suga, N. (2009). Specific and nonspecific plasticity of the primary auditory cortex elicited by thalamic auditory neurons. *The Journal of Neuroscience*, 29(15), 4888–4896.

<https://doi.org/10.1523/JNEUROSCI.0167-09.2009>

Mahler, D. L. (2009). Record of abelisauridae (dinosauria: Theropoda) from the cenomanian of morocco. *Journal of Vertebrate Paleontology*, 25, 236–239.

[https://doi.org/10.1671/0272-4634\(2005\)025\[0236:ROADTF\]2.0.CO;2](https://doi.org/10.1671/0272-4634(2005)025[0236:ROADTF]2.0.CO;2)

16 Biology Department Publications: 2009

- Maity, A. N., Hsieh, C.-P., Huang, M.-H., Chen, Y.-H., Tang, K.-H., Behshad, E., Frey, P. A., & Ke, S.-C. (2009). Evidence for conformational movement and radical mechanism in the reaction of 4-thia-L-lysine with lysine 5,6-aminomutase. *The Journal of Physical Chemistry. B*, 113(36), 12161–12163. <https://doi.org/10.1021/jp905357a>
- Marpegan, L., Krall, T. J., & Herzog, E. D. (2009). Vasoactive intestinal polypeptide entrains circadian rhythms in astrocytes. *Journal of Biological Rhythms*, 24(2), 135–143. <https://doi.org/10.1177/0748730409332042>
- Martins, F. M., Templeton, A. R., Pavan, A. C. O., Kohlbach, B. C., & Morgante, J. S. (2009). Phylogeography of the common vampire bat (*desmodus rotundus*): Marked population structure, neotropical pleistocene vicariance and incongruence between nuclear and mtDNA markers. *BMC Evolutionary Biology*, 9, 294. <https://doi.org/10.1186/1471-2148-9-294>
- Mellgren, E. M., Kloek, A. P., & Kunkel, B. N. (2009). Mqo, a tricarboxylic acid cycle enzyme, is required for virulence of *pseudomonas syringae* pv. Tomato strain dc3000 on *arabidopsis thaliana*. *Journal of Bacteriology*, 191(9), 3132–3141. <https://doi.org/10.1128/JB.01570-08>
- Minguillon, C., Gibson-Brown, J. J., & Logan, M. P. (2009). Tbx4/5 gene duplication and the origin of vertebrate paired appendages. *Proceedings of the National Academy of Sciences of the United States of America*, 106(51), 21726–21730. <https://doi.org/10.1073/pnas.0910153106>

17 Biology Department Publications: 2009

Motl, J. A., & Chalker, D. L. (2009). Subtraction by addition: Domesticated transposases in programmed dna elimination. *Genes & Development*, 23(21), 2455–2460.

<https://doi.org/10.1101/gad.1864609>

Moulisová, V., Luer, L., Hoseinkhani, S., Brotosudarmo, T. H. P., Collins, A. M., Lanzani, G., Blankenship, R. E., & Cogdell, R. J. (2009). Low light adaptation: Energy transfer processes in different types of light harvesting complexes from rhodopseudomonas palustris. *Biophysical Journal*, 97(11), 3019–3028.

<https://doi.org/10.1016/j.bpj.2009.09.023>

Ng, A., Wong, M., Viviano, B., Erlich, J. M., Alba, G., Pfleiderer, C., Jay, P. Y., & Saunders, S. (2009). Loss of glypcan-3 function causes growth factor-dependent defects in cardiac and coronary vascular development. *Developmental Biology*, 335(1), 208–215.

<https://doi.org/10.1016/j.ydbio.2009.08.029>

Ng, I.-S., Li, C.-W., Yeh, Y.-F., Chen, P. T., Chir, J.-L., Ma, C.-H., Yu, S.-M., Ho, T. D., & Tong, C.-G. (2009). A novel endo-glucanase from the thermophilic bacterium geobacillus sp. 70pc53 with high activity and stability over a broad range of temperatures. *Extremophiles*, 13(3), 425–435. <https://doi.org/10.1007/s00792-009-0228-4>

Noguchi, T., Frank, D. J., Isaji, M., & Miller, K. G. (2009). Coiled-coil-mediated dimerization is not required for myosin vi to stabilize actin during spermatid individualization in drosophila melanogaster. *Molecular Biology of the Cell*, 20(1), 358–367.

<https://doi.org/10.1091/mbc.e08-07-0776>

18 Biology Department Publications: 2009

Oberle, B., Grace, J., & Chase, J. (2009). Beneath the veil: Plant growth form influences the strength of species richness-productivity relationships in forests. *Global Ecology and Biogeography*, 18, 416–425. <https://doi.org/10.1111/j.1466-8238.2009.00457.x>

Orrock, J. L., & Danielson, B. J. (2009). Temperature and cloud cover, but not predator urine, affect winter foraging of mice. *Ethology*, 115(7), 641–648.
<https://doi.org/10.1111/j.1439-0310.2009.01654.x>

Orrock, J. L., & Hoisington-López, J. L. (2009). Mortality of exotic and native seeds in invaded and uninvaded habitats. *Acta Oecologica*, 35(5), 758–762.
<https://doi.org/10.1016/j.actao.2009.08.005>

Orrock, J. L., Witter, M. S., & Reichman, O. J. (2009). Native consumers and seed limitation constrain the restoration of a native perennial grass in exotic habitats. *Restoration Ecology*, 17(1), 148–157. <https://doi.org/10.1111/j.1526-100X.2008.00384.x>

Pardini, E. A., Drake, J. M., Chase, J. M., & Knight, T. M. (2009). Complex population dynamics and control of the invasive biennial alliaria petiolata (garlic mustard). *Ecological Applications*, 19(2), 387–397. <https://doi.org/10.1890/08-0845.1>

Pardini, E., Teller, B., & Knight, T. (2009). Consequences of density dependence for management of a stage-structured invasive plant (alliaria petiolata). *The American Midland Naturalist*, 160, 310–322. [https://doi.org/10.1674/0003-0031\(2008\)160\[310:CODDFM\]2.0.CO;2](https://doi.org/10.1674/0003-0031(2008)160[310:CODDFM]2.0.CO;2)

Pikaard, C. S., & Tucker, S. (2009). RNA-silencing enzymes pol IV and pol V in maize: More than one flavor? *PLOS Genetics*, 5(11), e1000736.
<https://doi.org/10.1371/journal.pgen.1000736>

19 Biology Department Publications: 2009

Pontes, O., Costa-Nunes, P., Vithayathil, P., & Pikaard, C. S. (2009). RNA polymerase V functions in arabidopsis interphase heterochromatin organization independently of the 24-nt sirna-directed dna methylation pathway. *Molecular Plant*, 2(4), 700–710.

<https://doi.org/10.1093/mp/ssp006>

Pontes, O., Lawrence, R., Earley, K., Costa-Nunes, P., Preuss, S., & Pikaard, C. (2009). *The role of interphase chromatin organization in rRNA gene silencing in Arabidopsis allotetraploids*. 537–538.

Pontes, O., Vitins, A., Pikaard, C., Hong, E., & Ream, T. (2009). Interactions among small interfering rnas and micrornas in arabidopsis thaliana. *Microscopy and Microanalysis*, 15(S2), 878–879. <https://doi.org/10.1017/S1431927609098018>

Powell, K. I., & Knight, T. M. (2009). Effects of nutrient addition and competition on biomass of five cirsium species (asteraceae), including a serpentine endemic. *International Journal of Plant Sciences*, 170(7), 918–925. <https://doi.org/10.1086/600140>

Psencík, J., Collins, A. M., Liljeroos, L., Torkkeli, M., Laurinmäki, P., Ansink, H. M., Ikonen, T. P., Serimaa, R. E., Blankenship, R. E., Tuma, R., & Butcher, S. J. (2009). Structure of chlorosomes from the green filamentous bacterium chloroflexus aurantiacus. *Journal of Bacteriology*, 191(21), 6701–6708. <https://doi.org/10.1128/JB.00690-09>

Pusadee, T., Jamjod, S., Chiang, Y.-C., Rerkasem, B., & Schaal, B. A. (2009). Genetic structure and isolation by distance in a landrace of thai rice. *Proceedings of the National Academy of Sciences of the United States of America*, 106(33), 13880–13885. <https://doi.org/10.1073/pnas.0906720106>

20 Biology Department Publications: 2009

- Ream, T., Nicora, C., Norbeck, A., Pontvianne, F., Haag, J., Pasa-Tolic, L., & Pikaard, C. (2009). *Subunit compositions of arabidopsis dna-dependent rna polymerases I, II, III, IV and V reveal insights into polymerase evolution, functional diversification and subunit redundancy.* 539–540.
- Ream, T. S., Haag, J. R., Wierzbicki, A. T., Nicora, C. D., Norbeck, A. D., Zhu, J.-K., Hagen, G., Guilfoyle, T. J., Pasa-Tolić, L., & Pikaard, C. S. (2009). Subunit compositions of the rna-silencing enzymes pol IV and pol V reveal their origins as specialized forms of rna polymerase II. *Molecular Cell*, 33(2), 192–203.
<https://doi.org/10.1016/j.molcel.2008.12.015>
- Richard-Fogal, C. L., Frawley, E. R., Bonner, E. R., Zhu, H., San Francisco, B., & Kranz, R. G. (2009). A conserved haem redox and trafficking pathway for cofactor attachment. *The EMBO Journal*, 28(16), 2349–2359. <https://doi.org/10.1038/emboj.2009.189>
- Riddle, N. C., Shaffer, C. D., & Elgin, S. C. R. (2009). A lot about a little dot: Lessons learned from drosophila melanogaster chromosome 4. *Biochemistry and Cell Biology*, 87(1), 229–241. <https://doi.org/10.1139/O08-119>
- Schulte, T., Niedzwiedzki, D. M., Birge, R. R., Hiller, R. G., Polívka, T., Hofmann, E., & Frank, H. A. (2009). Identification of a single peridinin sensing chl-a excitation in reconstituted pcp by crystallography and spectroscopy. *Proceedings of the National Academy of Sciences of the United States of America*, 106(49), 20764–20769.
<https://doi.org/10.1073/pnas.0908938106>

21 Biology Department Publications: 2009

- Schutzenhofer, M. R., Valone, T. J., & Knight, T. M. (2009). Herbivory and population dynamics of invasive and native lespedeza. *Oecologia*, 161(1), 57–66.
<https://doi.org/10.1007/s00442-009-1354-5>
- Seabloom, E. W., Borer, E. T., Martin, B. A., & Orrock, J. L. (2009). Effects of long-term consumer manipulations on invasion in oak savanna communities. *Ecology*, 90(5), 1356–1365. <https://doi.org/10.1890/08-0671.1>
- Shah, A. S., Ben-Shahar, Y., Moninger, T. O., Kline, J. N., & Welsh, M. J. (2009). Motile cilia of human airway epithelia are chemosensory. *Science*, 325(5944), 1131–1134.
<https://doi.org/10.1126/science.1173869>
- Singh, A. K., Bhattacharyya-Pakrasi, M., Elvitigala, T., Ghosh, B., Aurora, R., & Pakrasi, H. B. (2009). A systems-level analysis of the effects of light quality on the metabolism of a cyanobacterium. *Plant Physiology*, 151(3), 1596–1608.
<https://doi.org/10.1104/pp.109.144824>
- Smith, K. G., Lips, K. R., & Chase, J. M. (2009). Selecting for extinction: Nonrandom disease-associated extinction homogenizes amphibian biotas. *Ecology Letters*, 12(10), 1069–1078. <https://doi.org/10.1111/j.1461-0248.2009.01363.x>
- Stein, P. S. G. (2009). Scratching. In *Encyclopedia of neuroscience*. Springer Verlag.
- Suga, N. (2009a). Echolocation II: Neurophysiology. In *Encyclopedia of neuroscience* (pp. 801–812). Elsevier.
- Suga, N. (2009b). Nobuo suga. In L. R. Squire (Ed.), *The history of neuroscience in autobiography* (Vol. 6, pp. 480–512). Oxford University Press.

22 Biology Department Publications: 2009

- Sun, Y., Liu, L., Ben-Shahar, Y., Jacobs, J. S., Eberl, D. F., & Welsh, M. J. (2009). Trpa channels distinguish gravity sensing from hearing in johnston's organ. *Proceedings of the National Academy of Sciences of the United States of America*, 106(32), 13606–13611. <https://doi.org/10.1073/pnas.0906377106>
- Tang, J., & Suga, N. (2009). Corticocortical interactions between and within three cortical auditory areas specialized for time-domain signal processing. *The Journal of Neuroscience*, 29(22), 7230–7237. <https://doi.org/10.1523/JNEUROSCI.0373-09.2009>
- Tang, K.-H., Feng, X., Tang, Y. J., & Blankenship, R. E. (2009). Carbohydrate metabolism and carbon fixation in roseobacter denitrificans och114. *PLoS One*, 4(10), e7233. <https://doi.org/10.1371/journal.pone.0007233>
- Tang, K.-H., Mansoorabadi, S. O., Reed, G. H., & Frey, P. A. (2009). Radical triplets and suicide inhibition in reactions of 4-thia-d- and 4-thia-1-lysine with lysine 5,6-aminomutase. *Biochemistry*, 48(34), 8151–8160. <https://doi.org/10.1021/bi900828f>
- Tang, K.-H., Wen, J., Li, X., & Blankenship, R. E. (2009). Role of the acsf protein in chloroflexus aurantiacus. *Journal of Bacteriology*, 191(11), 3580–3587. <https://doi.org/10.1128/JB.00110-09>
- Templeton, A. R. (2009a). Natural selection from darwin to the 21st century. *Israel Journal of Ecology and Evolution*, 55(3), 207–214. <https://doi.org/10.1560/IJEE.55.3.207>
- Templeton, A. R. (2009b). Statistical hypothesis testing in intraspecific phylogeography: Nested clade phylogeographical analysis vs. Approximate bayesian computation. *Molecular Ecology*, 18(2), 319–331. <https://doi.org/10.1111/j.1365-294X.2008.04026.x>

23 Biology Department Publications: 2009

Templeton, A. R. (2009c). Why does a method that fails continue to be used? The answer.

Evolution, 63(4), 807–812. <https://doi.org/10.1111/j.1558-5646.2008.00600.x>

Templeton, A. R., Kramer, M. G., Jarvis, J., Kowalski, J., Gange, S., Schneider, M. F., Shao, Q., Zhang, G. W., Yeh, M.-F., Tsai, H.-L., Zhang, H., & Markham, R. B. (2009). Multiple-infection and recombination in hiv-1 within a longitudinal cohort of women.

Retrovirology, 6, 54. <https://doi.org/10.1186/1742-4690-6-54>

Tessadori, F., van Zanten, M., Pavlova, P., Clifton, R., Pontvianne, F., Snoek, L. B., Millenaar, F. F., Schulkes, R. K., van Driel, R., Voesenek, L. A. C. J., Spillane, C., Pikaard, C. S., Fransz, P., & Peeters, A. J. M. (2009). Phytochrome b and histone deacetylase 6 control light-induced chromatin compaction in arabidopsis thaliana. *PLoS Genetics*, 5(9), e1000638. <https://doi.org/10.1371/journal.pgen.1000638>

Tippery, N. P., Les, D. H., Regalado, J. C., Averyanov, L. V., Long, V. N., & Raven, P. H. (2009). Transfer of villarsia cambodiana to nymphoides (menyanthaceae). *Systematic Botany*, 34(4), 818–823. <https://doi.org/10.1600/036364409790139673>

Tronrud, D. E., Wen, J., Gay, L., & Blankenship, R. E. (2009). The structural basis for the difference in absorbance spectra for the fmo antenna protein from various green sulfur bacteria. *Photosynthesis Research*, 100(2), 79–87. <https://doi.org/10.1007/s11120-009-9430-6>

Vasalou, C., Herzog, E. D., & Henson, M. A. (2009). Small-world network models of intercellular coupling predict enhanced synchronization in the suprachiasmatic nucleus. *Journal of Biological Rhythms*, 24(3), 243–254.

<https://doi.org/10.1177/0748730409333220>

24 Biology Department Publications: 2009

- Vermeer, J. E. M., Thole, J. M., Goedhart, J., Nielsen, E., Munnik, T., & Gadella, T. W. J. (2009). Imaging phosphatidylinositol 4-phosphate dynamics in living plant cells. *The Plant Journal: For Cell and Molecular Biology*, 57(2), 356–372.
<https://doi.org/10.1111/j.1365-313X.2008.03679.x>
- Vitt, P., Havens, K., Kendall, B. E., & Knight, T. M. (2009). Effects of community-level grassland management on the non-target rare annual agalinis auriculata. *Biological Conservation*, 142(4), 798–805. <https://doi.org/10.1016/j.biocon.2008.12.009>
- Vonesh, J. R., & Kraus, J. M. (2009). Pesticide alters habitat selection and aquatic community composition. *Oecologia*, 160(2), 379–385. <https://doi.org/10.1007/s00442-009-1301-5>
- Vonesh, J. R., Kraus, J. M., Rosenberg, J. S., & Chase, J. M. (2009). Predator effects on aquatic community assembly: Disentangling the roles of habitat selection and post-colonization processes. *Oikos*, 118(8), 1219–1229. <https://doi.org/10.1111/j.1600-0706.2009.17369.x>
- Wang, J. D., & Levin, P. A. (2009). Metabolism, cell growth and the bacterial cell cycle. *Nature Reviews Microbiology*, 7(11), 822–827. <https://doi.org/10.1038/nrmicro2202>
- Wang, Z. T., Ullrich, N., Joo, S., Waffenschmidt, S., & Goodenough, U. (2009). Algal lipid bodies: Stress induction, purification, and biochemical characterization in wild-type and starchless chlamydomonas reinhardtii. *Eukaryotic Cell*, 8(12), 1856–1868.
<https://doi.org/10.1128/EC.00272-09>
- Webb, A. B., Angelo, N., Huettner, J. E., & Herzog, E. D. (2009). Intrinsic, nondeterministic circadian rhythm generation in identified mammalian neurons. *Proceedings of the National Academy of Sciences of the United States of America*, 106(38), 16493–16498.
<https://doi.org/10.1073/pnas.0902768106>

25 Biology Department Publications: 2009

- Welsh, E. A., Stockel, J., & Pakrasi, H. B. (2009). Cycle detection in biological data sets. In R. Mazzarella & R. D. Head (Eds.), *Computational and systems biology. Methods and applications* (pp. 51–62). Research Signposts.
- Wen, J., Zhang, H., Gross, M. L., & Blankenship, R. E. (2009). Membrane orientation of the fmo antenna protein from chlorobaculum tepidum as determined by mass spectrometry-based footprinting. *Proceedings of the National Academy of Sciences of the United States of America*, 106(15), 6134–6139. <https://doi.org/10.1073/pnas.0901691106>
- Wierzbicki, A. T., Ream, T. S., Haag, J. R., & Pikaard, C. S. (2009). RNA polymerase v transcription guides argonaute4 to chromatin. *Nature Genetics*, 41(5), 630–634. <https://doi.org/10.1038/ng.365>
- Worden, A. Z., Lee, J.-H., Mock, T., Rouzé, P., Simmons, M. P., Aerts, A. L., Allen, A. E., Cuvelier, M. L., Derelle, E., Everett, M. V., Foulon, E., Grimwood, J., Gundlach, H., Henrissat, B., Napoli, C., McDonald, S. M., Parker, M. S., Rombauts, S., Salamov, A., ... Grigoriev, I. V. (2009). Green evolution and dynamic adaptations revealed by genomes of the marine picoeukaryotes micromonas. *Science*, 324(5924), 268–272. <https://doi.org/10.1126/science.1167222>
- Xin, Y., Lu, Y.-K., Fromme, R., Fromme, P., & Blankenship, R. E. (2009). Purification, characterization and crystallization of menaquinol:fumarate oxidoreductase from the green filamentous photosynthetic bacterium chloroflexus aurantiacus. *Biochimica Et Biophysica Acta*, 1787(2), 86–96. <https://doi.org/10.1016/j.bbabi.2008.11.010>

26 Biology Department Publications: 2009

Yi, H., Preuss, M. L., & Jez, J. M. (2009). The devil (and an active jasmonate hormone) is in the details. *Nature Chemical Biology*, 5(5), 273–274. <https://doi.org/10.1038/nchembio0509-273>

Yi, H., & Richards, E. J. (2009). Gene duplication and hypermutation of the pathogen resistance gene snc1 in the arabidopsis bal variant. *Genetics*, 183(4), 1227–1234. <https://doi.org/10.1534/genetics.109.105569>

Zhang, Z.-L., Shin, M., Zou, X., Huang, J., Ho, T. D., & Shen, Q. J. (2009). A negative regulator encoded by a rice wrky gene represses both abscisic acid and gibberellins signaling in aleurone cells. *Plant Molecular Biology*, 70(1–2), 139–151. <https://doi.org/10.1007/s11103-009-9463-4>

Zhu, H.-F., Fitzsimmons, K., Khandelwal, A., & Kranz, R. G. (2009). CPC, a single-repeat r3 myb, is a negative regulator of anthocyanin biosynthesis in arabidopsis. *Molecular Plant*, 2(4), 790–802. <https://doi.org/10.1093/mp/ssp030>